

**IN THE CLAIMS:**

Please amend the claims to read as follows.

1. (Original) A myocardial revascularization catheter comprising:
  - an outer shaft having a lumen, an inner surface, a first stop, a second stop, and a distal end; and
    - an inner shaft having a distal end, an outside surface, and a first catch,
      - the inner shaft being slidably and rotatably disposed in the outer shaft,
      - the inner shaft having a piercing tip,
      - the piercing tip moveable from a first position to a second position,
      - the first position outside of the outer shaft,
      - the second position outside of the outer shaft,
    - the catch being arrested by the first stop from further purely longitudinal movement towards the distal end of the outer shaft when the piercing tip is in the first position,
    - the catch being arrested by the second stop from further purely longitudinal movement towards the distal end of the outer shaft when the piercing tip is in the second position,
  - wherein rotation of the inner shaft allows for distal movement of the catch past the first stop and towards the distal end of the outer shaft.
  2. (Original) The myocardial revascularization catheter of claim 1 wherein rotation of the inner shaft allows for distal movement of the catch past the second stop and towards the distal end of the outer shaft.
  3. (Original) The myocardial revascularization catheter of claim 1 wherein the outer shaft has a first injection port.

Please cancel claim 4-14 without prejudice.

4.-14. (Canceled)

15. (New) The myocardial revascularization catheter of claim 1 wherein the catch comprises a radiopaque material.
16. (New) The myocardial revascularization catheter of claim 1 wherein at least one of the stops comprises a radiopaque material.
17. (New) The myocardial revascularization catheter of claim 1 wherein the first stop, the second stop, a third stop positioned within the outer shaft, and the catch comprise a radiopaque material.
18. (New) The myocardial revascularization catheter of claim 1 wherein at least one of the stops is in the shape of a semi-circle.
19. (New) The myocardial revascularization catheter of claim 1 wherein the outer shaft has an atraumatic flange.
20. (New) The myocardial revascularization catheter of claim 1 wherein at least one of the stops is in the shape of a sector of a circle.
21. (New) The myocardial revascularization catheter of claim 20 wherein the sector defines a ninety degree angle.
22. (New) The myocardial revascularization catheter of claim 1 wherein the first stop and the second stop oppose one another within the outer shaft.
23. (New) The myocardial revascularization catheter of claim 1 wherein the rotation of the inner shaft must exceed ninety degrees in order for the catch to move past the first stop towards the second stop.

24. (New) The myocardial revascularization catheter of claim 1 wherein the rotation of the inner shaft must exceed one hundred and eighty degrees in order for the catch to move past the first stop towards the second stop.
25. (New) The myocardial revascularization catheter of claim 1 further comprising:
  - a third stop,
    - the stops being uniformly spaced within the outer shaft.
26. (New) A method of performing a medical procedure comprising:
  - steering the catheter of claim 1 to a target site in the body of a patient;
  - viewing radiopaque markers within the catheter; and
  - deploying therapeutic from the catheter to a target site.